

U.S. Application No.

International Application No.

Attorney Docket No.

Unknown

PCT/AU00/00997

FBRIC19.001APC

10/070266

Date: February 22, 2002

Page 1

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 USC 371**

International Application No.: PCT/AU00/00997  
 International Filing Date: August 23, 2000  
 Priority Date Claimed: August 25, 1999  
 Title of Invention: GAMING MACHINE WITH BUY FEATURE GAMES  
 Applicant(s) for DO/EO/US: Natalie Bryant and Nicholas Luke Bennett

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. (X) This is a **FIRST** submission of items concerning a filing under 35 USC 371.
2. () This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 USC 371.
3. (X) This express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).
4. (X) A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. (X) A copy of the International Application as filed (35 USC 371(c)(2))
  - a) () is transmitted herewith (required only if not transmitted by the International Bureau).
  - b) (X) has been transmitted by the International Bureau.
  - c) () a copy of Form PCT/1B/308 is enclosed.
  - d) () is not required, as the application was filed in the United States Receiving Office (RO/US).
6. () A translation of the International Application into English (35 USC 371(c)(2)).
7. (X) Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))
  - a) () are transmitted herewith (required only if not transmitted by the International Bureau).
  - b) (X) have been transmitted by the International Bureau.
  - c) () have not been made; however, the time limit for making such amendments has NOT expired.
  - d) () have not been made and will not be made.
8. () A translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)).
9. () An oath or declaration of the inventor(s) (35 USC 371(c)(4)).
10. (X) A copy of the International Preliminary Examination Report with any annexes thereto, such as any amendments made under PCT Article 34.
11. () A translation of the annexes, such as any amendments made under PCT Article 34, to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).

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12. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
13. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
14. ☒ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or address letter.
17. ☒ International Application as published.
18. ☐ The present application qualifies for small entity status under 37 C.F.R. § 1.27.
19. ☒ International Search Report.
20. ☒ A return prepaid postcard.
21. ☒ The following fees are submitted:

				FEES
BASIC FEE				\$1,040
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	21 - 20 =	~1 ×	\$18	\$18
Independent Claims	3 - 3 =	0 ×	\$84	\$0
Multiple dependent claims(s) (if applicable)			\$280	\$0
TOTAL OF ABOVE CALCULATIONS				\$1,058
Reduction by 1/2 for filing by small entity (if applicable). Verified Small Entity \$ statement must also be filed. (NOTE 37 CFR 1.9, 1.27, 1.28)				
TOTAL NATIONAL FEE				\$1,058
TOTAL FEES ENCLOSED				\$1,058
amount to be refunded:				\$0
amount to be charged:				\$0

22. ☒ The fee for later submission of the signed oath or declaration set forth in 37 CFR 1.492(e) will be paid upon submission of the declaration.
23. ☒ A check in the amount of \$1,058 to cover the above fees is enclosed.

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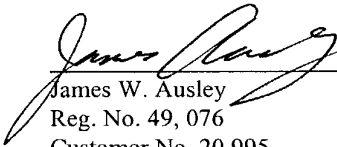
Date: February 22, 2002

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24. ☐ Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property.
25. ☒ The Commissioner is hereby authorized to charge only those additional fees which may be required, now or in the future, to avoid abandonment of the application, or credit any overpayment to Deposit Account No. 11-1410.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

  
James W. Ausley  
Reg. No. 49, 076  
Customer No. 20,995

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022202

10/070266

JG19 Rec'd PCT/PTO 25 FEB 2002

FBRIC19.001APC

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	:	Natalie Bryant, Nicholas Luke Bennett	) Group Art Unit Unknown ) )
PCT Appl. No.:	:	PCT/AU00/00997	) )
Filed	:	Herewith	) )
For	:	GAMING MACHINE WITH BUY FEATURE GAMES	) )
Examiner	:	Unknown	

PRELIMINARY AMENDMENT

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

Prior to examination, please amend the above referenced application as follows:

**IN THE ABSTRACT:**

PCT Appl. No.: PCT/AU00/00997  
Filed : Herewith

**Abstract of the Disclosure**

A gaming machine including a display. The display includes a plurality of display positions for displaying combinations of symbols. A controller controls operation of the machine. The controller includes a processor for processing data and displaying selected data on the display. A selector is operable by the player of the machine for enabling the player to select at least one feature which can be added to a base game played on the machine.

PCT Appl. No.: PCT/AU00/00997  
Filed : Herewith

**IN THE SPECIFICATION:**

Page 1, immediately after the title "GAMING MACHINE WITH BUY FEATURE GAMES",  
please insert –

**Related Applications**

This application claims the benefit of the international application PCT/AU00/00997  
filed August 23, 2000 and the Australian application PQ 2428 filed August 25, 1999.--

Page 7, please amend the paragraph beginning on line 26 to read

"In this embodiment of the invention, as illustrated in Figure 9, the player is required to make a special bet in order to be eligible for the feature. The feature, in this embodiment is the applicant's Mr. Cashman. Mr. Cashman is a trademark for the applicant and is described in detail in our co-pending PCT Application Number PCT/AU99/01059 dated 26 November 1999 and entitled "Player Information Delivery". The contents of PCT/AU99/01059 are specifically incorporated herein by reference. The selection of the Mr. Cashman feature is by way of the selection button 70. If the player chooses not to play the Mr. Cashman feature, then bets are made in the standard way using the standard buttons 66 and 68.

**IN THE CLAIMS:**

Please amend the Claims as follows:

1. (Amended) A gaming machine which includes:  
a display including a plurality of display positions for displaying combinations of symbols;  
a controller for controlling operation of the machine, the controller including a processor for processing data and displaying selected data on the display; and  
a selector operable by a player of the machine for enabling the player to select at least one feature which can be added to a base game played on the machine an additional credit being staked by the player in order to be eligible for the at least one feature.
4. (Amended) The gaming machine of Claim 1 in which the selector comprises a plurality of selectors operable by the player to select the at least one feature before making the base bet.
5. (Amended) The gaming machine of Claim 1 in which the additional credit staked provides eligibility to a benefit provided by that feature, there being no guarantee that the feature will eventuate merely by having staked the additional credit.
6. (Amended) The gaming machine of Claim 1 in which the feature is triggered independently of the base game.
7. (Amended) The gaming machine of Claim 1 in which the selector enables a player to select a range of features to enable the player to tailor the game to the player's requirements.
9. (Amended) The gaming machine of Claim 1, wherein the machine comprises a plurality of games and wherein the selector is adapted to enable the player to select one of the plurality of games as the base game.

10. (Amended) The gaming machine of Claim 1 in which the selector includes dedicated buttons on a keypad of the controller.

11. (Amended) The gaming machine of Claim 1 in which the selector includes touch sensors of a touch screen of the display.

12. (Amended) A gaming machine which includes:  
a display including a plurality of display positions for displaying combinations of symbols;  
a controller for controlling operation of the machine, the controller including a processor for processing data and displaying selected data on the display; and  
a selector operable by a player of the machine for enabling the player to select at least one feature which can be added to a base game played on the machine, an additional credit being staked by the player in order to be eligible for the at least one feature being a fixed amount multiplied by a bet wagered per line or per draw.

13. (Amended) The gaming machine of Claim 12 wherein the selector includes a plurality of selectors operable by the player to select the feature required before making a base bet.

14. (Amended) The gaming machine of Claim 12 wherein the additional credit staked provides eligibility to a benefit provided by that feature, there being no guarantee that the feature will eventuate merely by having staked the additional credit.

15. (Amended) The gaming machine of Claim 12, wherein the feature is triggered independently of the base game.

16. (Amended) The gaming machine of Claim 12, wherein the selector enables a player to select a range of features to enable the player to tailor the game to the player's requirements.



18. (Amended) The gaming machine of Claim 12, wherein the machine comprises a plurality of games and wherein the selector is adapted to enable the player to select one of the plurality of games as the base game.

19. (Amended) The gaming machine of wherein the selector includes dedicated buttons on a keypad of the controller.

20. (Amended) The gaming machine of Claim 12 in which the selector includes touch sensors of a touch screen of the display.

21. (Amended) A gaming machine which includes:  
a display including a plurality of display positions for displaying combinations of symbols;  
a controller for controlling operation of the machine, the controller including a processor for processing data and displaying selected data on the display; and  
a plurality of selectors operable by a player of the machine for enabling the player prior to making a base bet, for selecting a range of features to be added to a base game played on the machine to enable the player to tailor the game to the player's requirements.

PCT Appl. No.: PCT/AU00/00997  
Filed : Herewith

**REMARKS**

These changes are being made to claim the benefit of previously filed international and Australian applications and to bring the subject application into better conformance with U.S. practice. No new matter is being introduced. Entrance of this amendment is respectfully requested. Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2/22/02

By: James W. Ausley

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PCT Appl. No.: PCT/AU00/00997  
Filed : Herewith

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE ABSTRACT:**

[(57) Abstract:] A gaming machine [(10) includes] **including** a display [(14)]. The display [(14)] includes a plurality of display positions [(18)] for displaying combinations of symbols. A controller controls operation of the machine. The controller includes a processor for processing data and displaying selected data on the display [(14)]. A [selecting arrangement (20)] **selector** is operable by the player of the machine [(10)] for enabling the player to select at least one feature which can be added to a base game played on the machine [(10)].

**IN THE SPECIFICATION:**

Page 1, immediately after the title "GAMING MACHINE WITH BUY FEATURE GAMES", please insert –

**Related Applications**

**This application claims the benefit of the international application PCT/AU00/00997 filed August 23, 2000 and the Australian application PQ 2428 filed August 25, 1999.--**

Page 7, please amend the paragraph beginning on line 26 to read

"In this embodiment of the invention, **as illustrated in Figure 9**, the player is required to make a special bet in order to be eligible for the feature. The feature, in this embodiment is the applicant's Mr. Cashman. Mr. Cashman is a trademark for the applicant and is described in detail in our co-pending PCT Application Number PCT/AU99/01059 dated 26 November 1999 and entitled "Player Information Delivery". The contents of PCT/AU99/01059 are specifically incorporated herein by reference. The selection of the Mr. Cashman feature is by way of the selection button 70. If the player chooses not to play the Mr. Cashman feature, then bets are made in the standard way using the standard buttons 66 and 68.

**IN THE CLAIMS:**

Please amend the Claims as follows:

1. (Amended) A gaming machine which includes:

a display [means] including a plurality of display positions for displaying combinations of symbols;

a [control means] **controller** for controlling operation of the machine, the [control means] **controller** including a [processing means] **processor** for processing data and displaying selected data on the display [means]; and

a [selecting means] **selector** operable by a player of the machine for enabling the player to select at least one feature which can be added to a base game played on the machine an additional credit being staked by the player in order to be eligible for [said] **the** at least one feature.

4. (Amended) The gaming machine of [any one of the preceding claims] **Claim 1** in which the [selecting means includes] **selector comprises** a plurality of selectors operable by the player to select [said] **the** at least one feature before making the base bet.

5. (Amended) The gaming machine of [any one of the preceding claims] **Claim 1** in which the additional credit staked provides eligibility to a benefit provided by that feature, there being no guarantee that the feature will eventuate merely by having staked the additional credit.

6. (Amended) The gaming machine of [any one of the preceding claims] **Claim 1** in which the feature is triggered independently of the base game.

7. (Amended) The gaming machine of [any one of the preceding claims] **Claim 1** in which the [selecting means] **selector** enables a player to select a range of features to enable the player to tailor the game to the player's requirements.

9. (Amended) The gaming machine of [any one of the preceding claims which is a multi-game machine having various games, the selecting means being used by] **Claim 1, wherein the machine comprises a plurality of games and wherein the selector is adapted to enable the player to select one of the plurality of games as the base game.**

10. (Amended) The gaming machine of [any one of the preceding claims] **Claim 1** in which the [selecting means] **selector** includes dedicated buttons on a keypad of the [control means] **controller**.

11. (Amended) The gaming machine of [any one of the preceding claims] **Claim 1** in which the [selecting means] **selector** includes touch sensors of a touch screen of [a] **the** display [means].

12. (Amended) A gaming machine which includes:

a display [means] including a plurality of display positions for displaying combinations of symbols;

a [control means] **controller** for controlling operation of the machine, the [control means] **controller** including a [processing means] **processor** for processing data and displaying selected data on the display [means]; and

a [selecting means] **selector** operable by a player of the machine for enabling the player to select at least one feature which can be added to a base game played on the machine, an additional credit being staked by the player in order to be eligible for [said] **the** at least one feature being a fixed amount multiplied by a bet wagered per line or per draw.

13. (Amended) The gaming machine of Claim 12 [in which the selecting means] **wherein the selector** includes a plurality of selectors operable by the player to select the feature required before making a base bet.

14. (Amended) The gaming machine of Claim 12 [or claim 13 in which] **wherein** the additional credit staked provides eligibility to a benefit provided by that feature, there being no guarantee that the feature will eventuate merely by having staked the additional credit.

PCT Appl. No.: PCT/AU00/00997  
Filed : Herewith

15. (Amended) The gaming machine of [any one of claims 12 to 14 inclusive, in which] **of Claim 12, wherein** the feature is triggered independently of the base game.

16. (Amended) The gaming machine of [any one of claims 12 to 15 inclusive, in which] **of Claim 12, wherein** the [selecting means] **selector** enables a player to select a range of features to enable the player to tailor the game to the player's requirements.

18. (Amended) The gaming machine of [any one of claims 12 to 17 inclusive, which is a multi-game machine having various games, the selecting means being used by] **Claim 12, wherein the machine comprises a plurality of games and wherein the selector is adapted to enable** the player to select one of the **plurality of** games as the base game.

19. (Amended) The gaming machine of [any one of claims 12 to 18 inclusive, in which the selecting means] **wherein the selector** includes dedicated buttons on a keypad of the [control means] **controller**.

20. (Amended) The gaming machine of [any one of claims 12 to 19 inclusive] **Claim 12** in which the [selecting means] **selector** includes touch sensors of a touch screen of [a] **the display [means].**

21. (Amended) A gaming machine which includes:

a display [means] including a plurality of display positions for displaying combinations of symbols;

a [control means] **controller** for controlling operation of the machine, the [control means] **controller** including a [processing means] **processor** for processing data and displaying selected data on the display [means]; and

a [selecting means, including] **plurality of selectors** operable by a player of the machine for enabling the player prior to making a base bet, for selecting a range of features to be added to a base game played on the machine to enable the player to tailor the game to the player's requirements.

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JC19 Rec'd PCT/PTO 25 FEB 2002

WO 01/15055

PCT/AU00/00997

## **Gaming machine with buy feature games**

### **Field of the Invention**

5 The present invention relates to a gaming machine. More particularly,  
the invention relates to a gaming machine of the type known as a slot  
machine or a fruit machine. Certain types of these machines have a series of  
rotatable reels, each of which displays a series of symbols or a video  
simulation of such a mechanism while other types of machines are arranged  
to play video simulations of card games or other types of wagering games,  
10 such as bingo or keno. The invention has particular application to an  
improved game played on such a machine.

### **Background to the Invention**

15 Players regularly playing gaming machines need to have their interests  
maintained. Therefore, it is necessary for manufacturers of these machines  
to develop inventive game features which add interest to the games provided  
on such machines in order to keep the players entertained and willing to  
continue to play the games.

20 There is a continuous trade-off between what the players of the  
machines want and what the operators of the machines want from the  
machines. Naturally, operators want the players to stake more money per  
game so that the overall turnover is higher. Conversely, players will not do  
this unless they feel that they are getting more for the extra money that they  
are betting.

25 Further, as the range of machines and games increases, it is becoming  
increasingly important to offer more options to the players. The more  
options that are available in one machine, the easier it is to maintain the  
player's interest and the easier it is for players to be able to gain access to a  
machine that will offer them exactly the game that they want.

30 To date, most types of video gaming machines which are available to  
players offer limited options. At best, a range of bet sizes and paylines upon  
which the players can bet are offered. Certain machines also offer a double-  
up option available after a win while other machines have various ranges of  
paytables particularly for higher bets.

35

# Summary of the Invention

According to a first aspect of the invention there is provided a gaming machine which includes:

- a display means including a plurality of display positions for  
5 displaying combinations of symbols;
- a control means for controlling operation of the machine, the control means including a processing means for processing data and displaying selected data on the display means; and
- a selecting means operable by a player of the machine for enabling the  
10 player to select at least one feature which can be added to a base game played on the machine, an additional credit being staked by the player in order to be eligible for said at least one feature.

In this aspect of the invention, only one additional feature or a range of the same type of feature may be offered and the additional credit staked by  
15 the player may be a multiple of a base bet wagered by the player. Different multiples of the base bet may purchase different features of that type. For example, a bet X2 feature may purchase two free spins, a bet X3 feature may purchase four free spins and bet X4 feature may purchase six free spins.

According to a second aspect of the invention, there is provided a  
20 gaming machine which includes

- a display means including a plurality of display positions for displaying combinations of symbols;
- a control means for controlling operation of the machine, the control means including a processing means for processing data and displaying  
25 selected data on the display means; and
- a selecting means operable by a player of the machine for enabling the player to select at least one feature which can be added to a base game played on the machine, an additional credit staked by the player in order to be eligible for said at least one feature being a fixed amount multiplied by a bet  
30 wagered per line (for a spinning reel game) or per draw (for a card game).

The base game may have no features at all. For example, in the case of a video simulation of a spinning reel game, there would be no scatter symbol or substitute symbol or feature triggered by the occurrence of a predetermined or random event. Instead, by means of the selecting means,  
35 the player may be able to select at least one and, preferably, a range of features that can be added to the base game to tailor the base game to the



player's requirements. Various features may be offered. For example, certain symbols may be selected to pay as scatter symbols or substitute symbols as well as or in addition to the standard pays. Other examples include additional types of pays, for example, right to left as well as the basic left to right pay or bonus features such as free games, bonus pays, etc which are triggered by certain combinations.

Certain features may be offered as no-cost features which are selected by the player by means of the selecting means with certain of the other features requiring the staking of the additional credit or bet. If desired, the bet to obtain one or more features may be independent of the type or size of bet made on the base game. Thus, it is not necessary for the maximum bet to be placed on the base game before access can be gained to the range of features. In addition, the cost for the various features may differ depending on the type of feature or range of features selected.

The selecting means may include a plurality of selectors, such as buttons on the midtrim, operable by the player to select the feature required before making the base bet. One of the buttons may be used by the player when only the base bet is to be staked.

Only one feature, if any, at a time may be selectable by the player by means of the selectors. For example, a standard bet with no additional feature may be wagered, or a bet with only one type of feature may be wagered.

The additional credit staked may only provide eligibility to a benefit provided by that feature, there being no guarantee that the feature will eventuate merely by having staked the additional credit. Hence, the player will not necessarily see a direct result of the extra stake for every game played. For example, a predetermined combination may need to appear to trigger the special feature (eg. free spins) or to pay a bonus prize (eg a right to left pay).

The feature for which the additional credit is staked may be triggered independently of the base game. In other words, a random selection is made by the control means as to whether or not to trigger the feature completely independently of the base game.

Further, the gaming machine may be a multi-game machine having various games. Then, the appropriate game may initially be chosen and,

3a

thereafter, the required feature or features for the game may be selected by the player.

The selecting means may include dedicated keys or buttons on a keypad of the gaming machine and/or a touch or interactive screen of the display mean for enabling the features and/or games to be selected.

According to a third aspect of the invention, there is provided a gaming machine which includes

a display means including a plurality of display positions for displaying combinations of symbols;

a control means for controlling operation of the machine, the control means including a processing means for processing data and displaying selected data on the display means; and

a selecting means, including a plurality of selectors operable by a player of the machine for enabling the player prior to making a base bet, for selecting a range of features to be added to a base game played on the machine to enable the player to tailor the game to the player's requirements.

**Brief Description of Drawings**

The invention is now described by way of example with reference to the accompanying diagrammatic drawings in which:

Figure 1 shows a three dimensional view a gaming machine;

5        Figure 2 shows a block diagram of a control means of the gaming machine;

Figure 3 shows a schematic plan representation of one embodiment of a keypad of the gaming machine:

10       Figure 4 shows a schematic representation of a first screen of the gaming machine;

Figure 5 shows a schematic representation of a second screen of the gaming machine;

Figure 6 shows a schematic representation of one embodiment of a third screen of the gaming machine;

15       Figure 7 shows a schematic representation of another embodiment of the third screen of the gaming machine; and

Figure 8 shows a schematic plan representation of another embodiment of a keypad of the gaming machine; and

20       Figure 9 shows a flow chart of the operation of the embodiment of the invention described with reference to Figure 8.

**Detailed description of the Drawings**

In Figure 1, reference numeral 10 generally designates a gaming machine, including a game, in accordance with the invention. The machine  
25       10 includes a gaming console 12 having a video display unit 14. The video display unit includes a screen 16 on which reels 18 are simulated. A keypad 20, which is shown in greater detail in Figure 3 of the drawings, is mounted on a midtrim 22 of the machine 10.

30       The machine includes a topbox 24 on which a paytable 26 is arranged.

Referring now to Figure 2 of the drawings, a control means 30 of the machine 10 is illustrated. A program which implements the game and user interface is run on a processor 32 of the control means 30. The processor 32 forms part of a controller 34 which drives the screen 16 of the video display unit 14. The processor 32 receives input signals from a first group of sensors  
35       36.1 which are responsive to keys of the keypad 20. A second group of

sensors 36.2 are touch sensors associated with the screen 16 of the video display unit 14.

The controller 34 also receives input pulses from a mechanism 38 indicating that a player has provided sufficient credit to begin playing. The  
5 mechanism 38 may be a coin input chute, a bill collector, a credit card reader, any other type of validation device, or a combination thereof.

The controller 34 also controls a payout mechanism 40 which, for example, may be a coin hopper for feeding coins to a coin tray 28 of the machine 10.

10 With the game of the gaming machine 10, a player playing the machine 10 has the option to make a bet that is a multiple of a base bet to buy an additional feature to the game. The additional bet need not be a multiple of the specified maximum bet of the machine 10. Thus, the player is allowed to, for example, double or treble their initial bet to be eligible for an  
15 additional game feature. In this way, even players who bet a single credit on one line (on a multi-line game), are eligible to buy features, by doubling or trebling their bets.

The extra bet that the player is required to make does not make any change to the game the player has bought other than to introduce eligibility  
20 to the feature. In other words, no additional pay lines are bought or linear increases made to the pay table as the extra bet is a dedicated bet towards the feature.

Referring now to Figure 3 of the drawings a modified keypad 20 for the machine is shown. Instead of, or in addition, to the touch screen facility in  
25 the screen 16 of the video display unit 14 of the machine 10, dedicated buttons 64 are provided on the keypad 20.

The keypad 20 has a conventional array of buttons 66 for enabling the player to select the number of lines of the machine on which to achieve a payout as well as a conventional array of buttons 68 for enabling the player  
30 to select the number of credits to be bet per line.

A "base bet" is represented by the buttons 68 labelled "Bet x credits per line" and the buttons 66 labelled "Play x lines". The feature of the game is that if a player stakes double the base bet by means of button 64.1 then, whenever a specified combination of symbols is spun up, certain reel  
35 positions will be held while the rest of the reels are spun again twice for free. For triple the base bet (button 64.2) the same combination would result in

four free spins and for quadruple the base bet (button 64.3) there would be six free spins. Thus, if the player is betting two credits per line on five lines then the base bet will be ten credits. If the player chooses to buy access to the four free spins feature by selecting the "four feature spins (bet x 3)" button 64.2 then a game will cost the player thirty credits. The payline prizes will still only be multiplied by the player's bet per line of two credits, and prize combinations will still only apply on the five lines that have been bought. However, the additional feature of a specified combination of symbols awarding four re-spins of some of the reels will apply. Accordingly, it will be noted that only the base bet or the base bet plus the additional credit for one type of feature may be wagered at any one time. Also, the mere wagering of the additional credit does not guarantee that the feature will occur. The wagering of the additional credit only provides eligibility for the applicable feature.

It will be appreciated that various other options could be provided by means of the appropriate number of buttons 64 on the keypad 20.

In this embodiment, other examples which are possible are, inter alia, the additional feature may be the purchase of a certain combination which, if obtained, will commence a free game series. Instead, an additional feature trigger symbol may be purchased so that, in addition to an original trigger symbol, the additional trigger symbol also provides a free spin feature. Yet further, a right-to-left payout feature, in addition to the more conventional left-to-right payout can be bought.

To ensure versatility, the player may be given a choice of which features the player wishes to buy. Then, various icons are displayed on the screen as will now be described with reference to Figures 4 to 7 of the drawings. In Figure 4, a basic game screen is shown and is designated generally by the reference numeral 50. The game screen has the usual reels 18 and multi-line pays as indicated by the arrows 52. If the player touches the icon "Prizes" as indicated at 54, a screen 56 shown in Figure 5 of the drawings is displayed to show what prizes are available to the player. By touching the icon 58 entitled "Features" either a screen 60 as shown in Figure 6 of the drawings or a screen 62 as shown in Figure 7 of the drawings is displayed. The screens 60 and 62 are similar with the difference between the screens being that, in the case of the screen illustrated in Figure 7 of the

drawings, the bet to be made by the player is independent of the type of feature altogether.

The screen in Figure 6 or 7 allows the players to select the features required. The various icons illustrated as representations of the screens in  
5 Figures 6 and 7 are largely self explanatory. Suffice to say that a player can select various available options to construct their own games at a cost which that player can afford. The cost may be relative to an aspect of the base bet, ie the bet made for the basic game, or independent of the base bet. In  
10 addition, the player may be able to nominate the amount they wish to pay for eligibility to a particular feature.

In addition, in this embodiment, various features may be offered by the machine 10 such as, for example, certain combinations of a particular symbol triggering a bonus mode where for the next 10 games each symbol of another  
15 type that appears pays a bonus. As a further example, a bought feature could be that a particular symbol acts as a substitute symbol for all other symbols or pays for scattered combinations instead of just on a pay line. Hence, it will be appreciated that a large number of features could be built into the machine 10 to be offered to the players. By the player increasing his or her  
20 initial bet, eligibility to the feature is gained.

Referring now to Figure 8 of the drawings, a keypad 20 in accordance with another embodiment of the invention is illustrated. With reference to Figure 3 of the drawings, like reference numerals refer to like parts, unless  
25 otherwise specified.

In this embodiment of the invention, instead of the buttons 64, a  
25 selection button 70 is provided.

In this embodiment of the invention, the player is required to make a special bet in order to be eligible for the feature. The feature, in this  
embodiment is the applicant's Mr Cashman. Mr Cashman is a trademark of the applicant and is described in detail in our co-pending PCT Application  
30 Number PCT/AU99/01059 dated 26 November 1999 and entitled "Player information delivery". The contents of PCT/AU99/01059 are specifically incorporated herein by reference. The selection of the Mr Cashman feature is by way of the selection button 70. If the player chooses not to play the Mr  
Cashman feature, then bets are made in the standard way using the standard  
35 buttons 66 and 68.

The Mr Cashman feature is, as illustrated, restricted to the maximum number of lines available for the game configuration. Thus, in the example illustrated, the Mr Cashman feature is provided when the player selects that feature and also elects to play the maximum number of lines being 20 lines.

5 By selecting the feature using the button 70, the player will be eligible to enter the Mr Cashman feature for that game.

The extra cost involved for eligibility to the Mr Cashman feature will be five credits multiplied by the number of credits bet per line. Hence, in the illustrated example, the player must stake 25 credits multiplied by the bet  
10 per line in order to be eligible for the Mr. Cashman feature. Once again, the mere wagering of the additional credit does not guarantee that the feature will occur but only that the player is eligible for the feature. The Mr. Cashman feature is not triggered by any trigger condition in the base game. Rather, a random selection is made by the controller 34 completely  
15 independently of the base game to determine whether the Mr. Cashman feature is to be triggered or not.

In other words, the player first makes a bet per line using the button 68 and then selects the number of lines to be played using buttons 66 or, where the player desires to include the Mr Cashman feature, the player activates the  
20 button 70.

Then, for each game played with the extra feature, the player will have a predetermined probability of triggering the Mr Cashman feature to commence after the base game has been completed.

Accordingly, by means of the invention a more versatile gaming  
25 machine 10 is provided which provides players with a greater number of options. In so doing, it is believed that the machines 10 will become more attractive to players.

It will be appreciated by persons skilled in the art that numerous variations and/or modifications may be made to the invention as shown in  
30 the specific embodiments without departing from the spirit or scope of the invention as broadly described. The present embodiments are, therefore, to be considered in all respects as illustrative and not restrictive.

## CLAIMS:

1. A gaming machine which includes  
a display means including a plurality of display positions for  
5 displaying combinations of symbols;  
a control means for controlling operation of the machine, the control  
means including a processing means for processing data and displaying  
selected data on the display means; and  
a selecting means operable by a player of the machine for enabling the  
10 player to select at least one feature which can be added to a base game played  
on the machine, an additional credit being staked by the player in order to be  
eligible for said at least one feature.
2. The gaming machine of claim 1 in which the additional credit staked  
by the player is a multiple of a base bet wagered by the player.
- 15 3. The gaming machine of claim 2 in which different multiples of the base  
bet purchase different features.
4. The gaming machine of any one of the preceding claims in which the  
selecting means includes a plurality of selectors operable by the player to  
select said at least one feature before making the base bet.
- 20 5. The gaming machine of any one of the preceding claims in which the  
additional credit staked provides eligibility to a benefit provided by that  
feature, there being no guarantee that the feature will eventuate merely by  
having staked the additional credit.
6. The gaming machine of any one of the preceding claims in which the  
25 feature is triggered independently of the base game.
7. The gaming machine of any one of the preceding claims in which the  
selecting means enables a player to select a range of features to enable the  
player to tailor the game to the player's requirements.
8. The gaming machine of claim 7 in which certain of the features are no-  
30 cost features while other features require the staking of additional credit by  
the player.
9. The gaming machine of any one of the preceding claims which is a  
multi-game machine having various games, the selecting means being used  
by the player to select one of the games as the base game.
- 35 10. The gaming machine of any one of the preceding claims in which the  
selecting means includes dedicated buttons on a keypad of the control means.



11. The gaming machine of any one of the preceding claims in which the selecting means includes touch sensors of a touch screen of a display means.

12. A gaming machine which includes  
a display means including a plurality of display positions for

5 displaying combinations of symbols;

a control means for controlling operation of the machine, the control means including a processing means for processing data and displaying selected data on the display means; and

a selecting means operable by a player of the machine for enabling the  
10 player to select at least one feature which can be added to a base game played on the machine, an additional credit staked by the player in order to be eligible for said at least one feature being a fixed amount multiplied by a bet wagered per line or per draw.

13. The gaming machine of claim 12 in which the selecting means includes  
15 a plurality of selectors operable by the player to select the feature required before making a base bet.

14. The gaming machine of claim 12 or claim 13 in which the additional credit staked provides eligibility to a benefit provided by that feature, there being no guarantee that the feature will eventuate merely by having staked  
20 the additional credit.

15. The gaming machine of any one of claims 12 to 14 inclusive, in which the feature is triggered independently of the base game.

16. The gaming machine of any one of claims 12 to 15 inclusive, in which the selecting means enables a player to select a range of features to enable the  
25 player to tailor the game to the player's requirements.

17. The gaming machine of claim 16 in which certain of the features are no-cost features while other features require the staking of additional credit by the player.

18. The gaming machine of any one of claims 12 to 17 inclusive, which is a  
30 multi-game machine having various games, the selecting means being used by the player to select one of the games as the base game.

19. The gaming machine of any one of claims 12 to 18 inclusive, in which the selecting means includes dedicated buttons on a keypad of the control means.

20. The gaming machine of any one of claims 12 to 19 inclusive, in which the selecting means includes touch sensors of a touch screen of a display means.
21. A gaming machine which includes
- 5 a display means including a plurality of display positions for displaying combinations of symbols;
- a control means for controlling operation of the machine, the control means including a processing means for processing data and displaying selected data on the display means; and
- 10 a selecting means, including a plurality of selectors operable by a player of the machine for enabling the player prior to making a base bet, for selecting a range of features to be added to a base game played on the machine to enable the player to tailor the game to the player's requirements.

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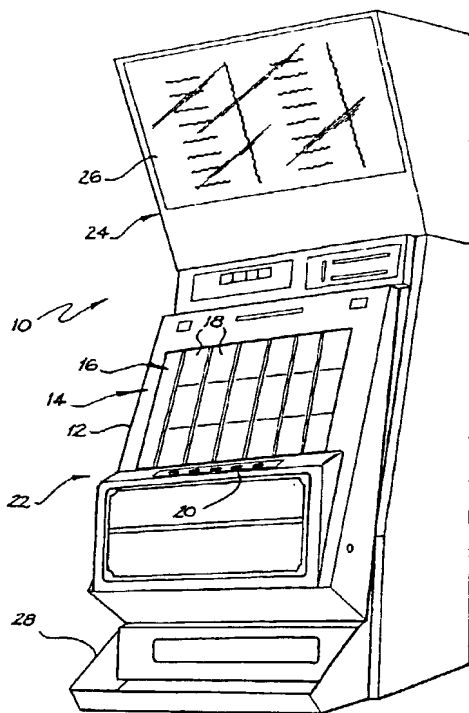
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Published:

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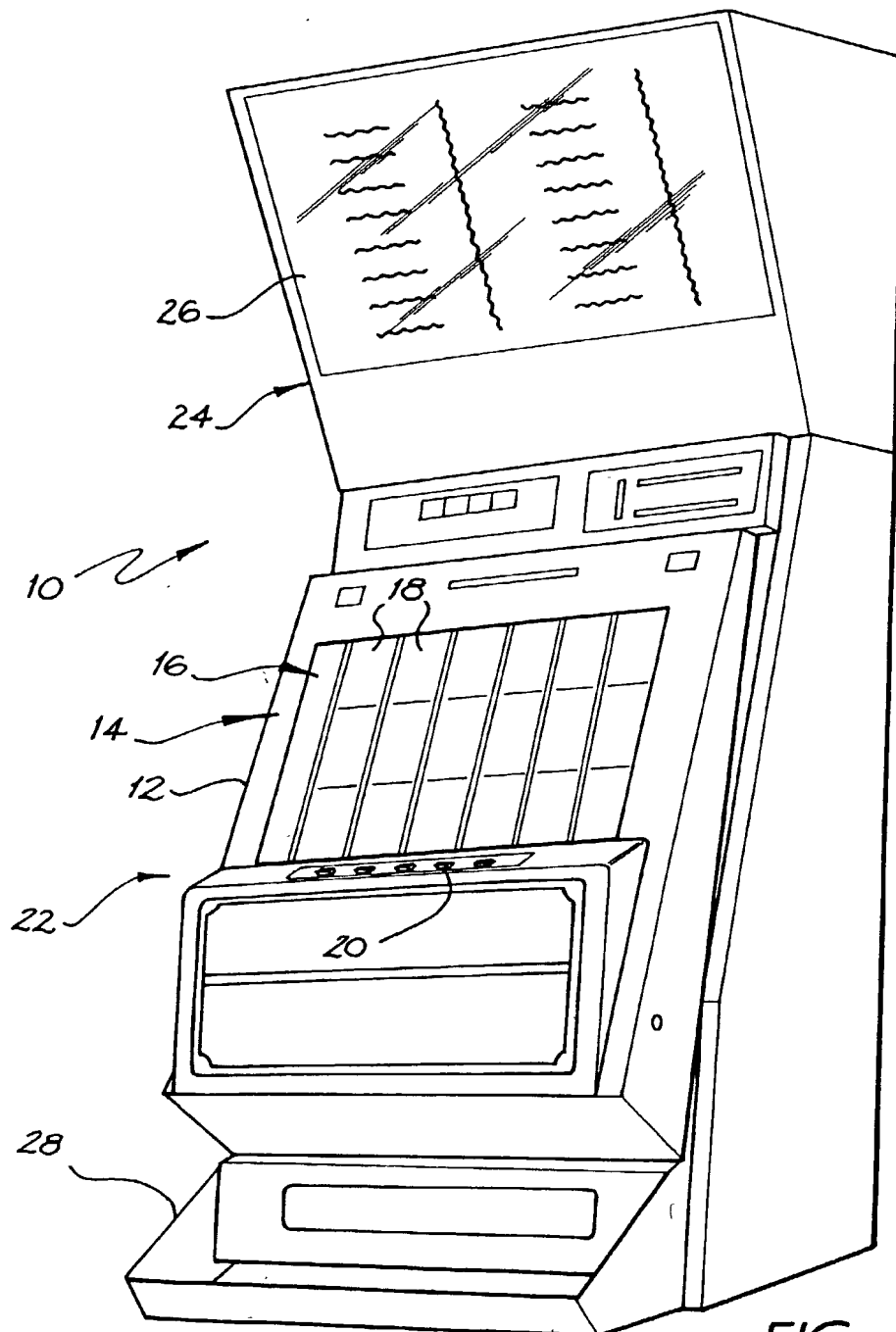
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GAMING MACHINE WITH BUY FEATURE GAMES



(57) Abstract: A gaming machine (10) includes a display (14). The display (14) includes a plurality of display positions (18) for displaying combinations of symbols. A controller controls operation of the machine. The controller includes a processor for processing data and displaying selected data on the display (14). A selecting arrangement (20) is operable by the player of the machine (10) for enabling the player to select at least one feature which can be added to a base game played on the machine (10).

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SUBSTITUTE SHEET (RULE 26)  
ISA / US

FIG. 1

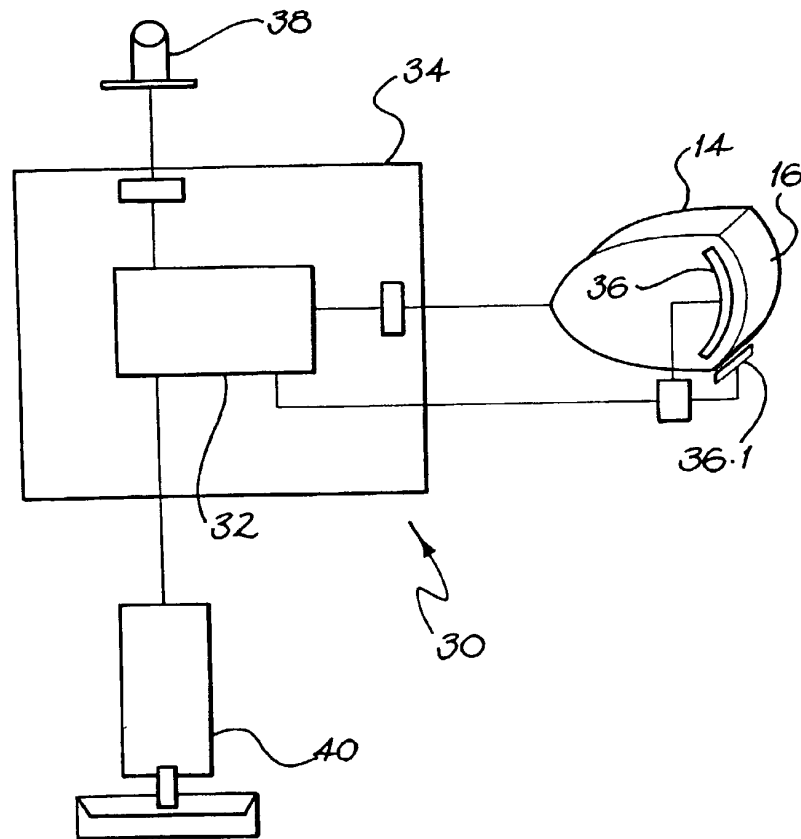
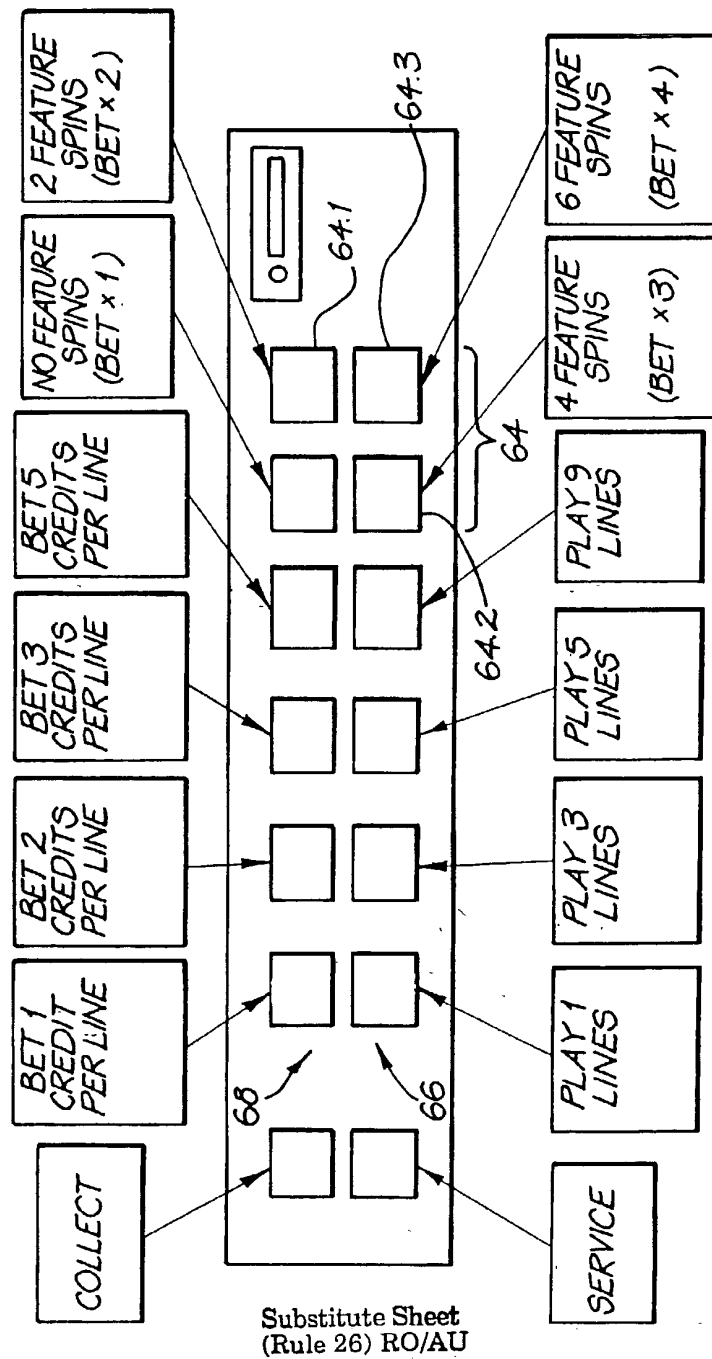


FIG. 2

Substitute Sheet  
(Rule 26) RO/AU

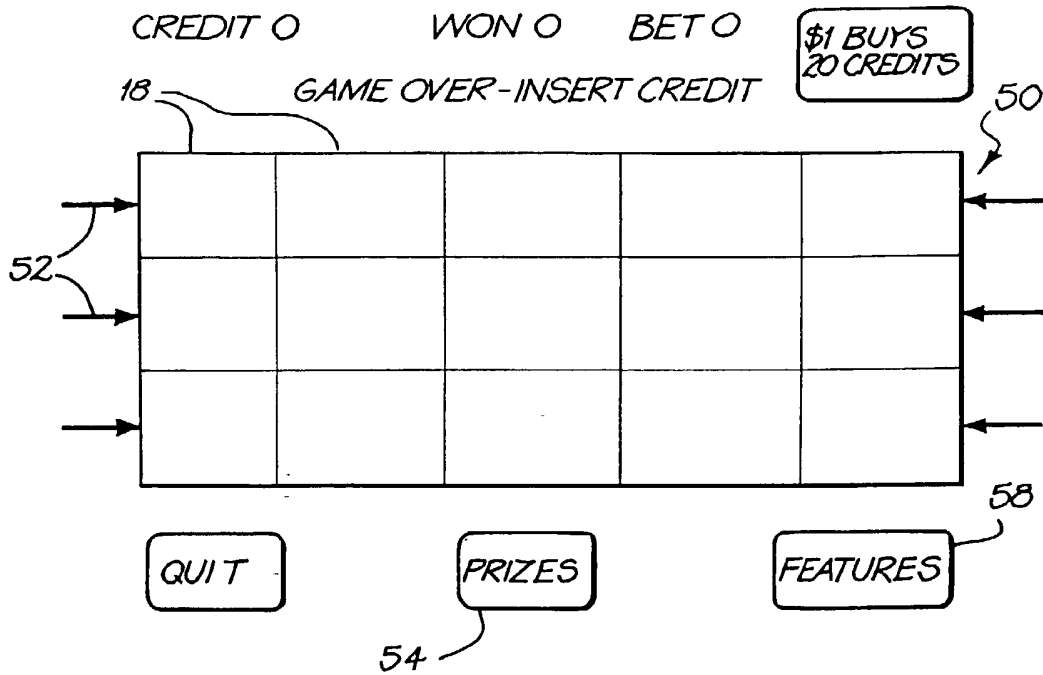


FIG. 4

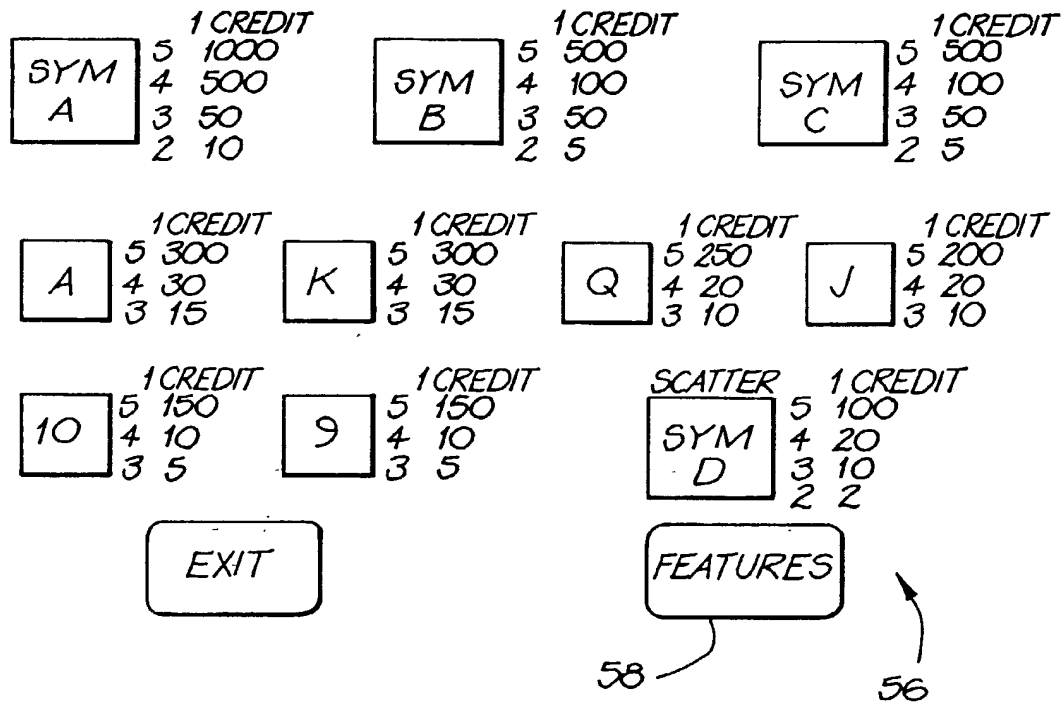


FIG. 5



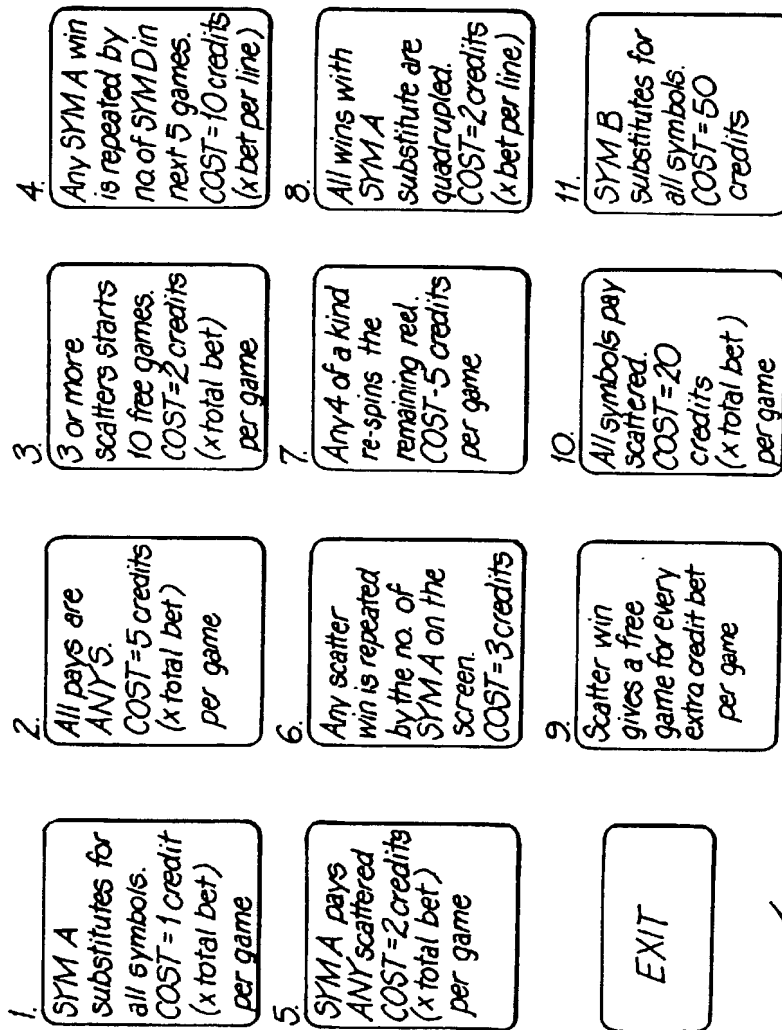


FIG. 6

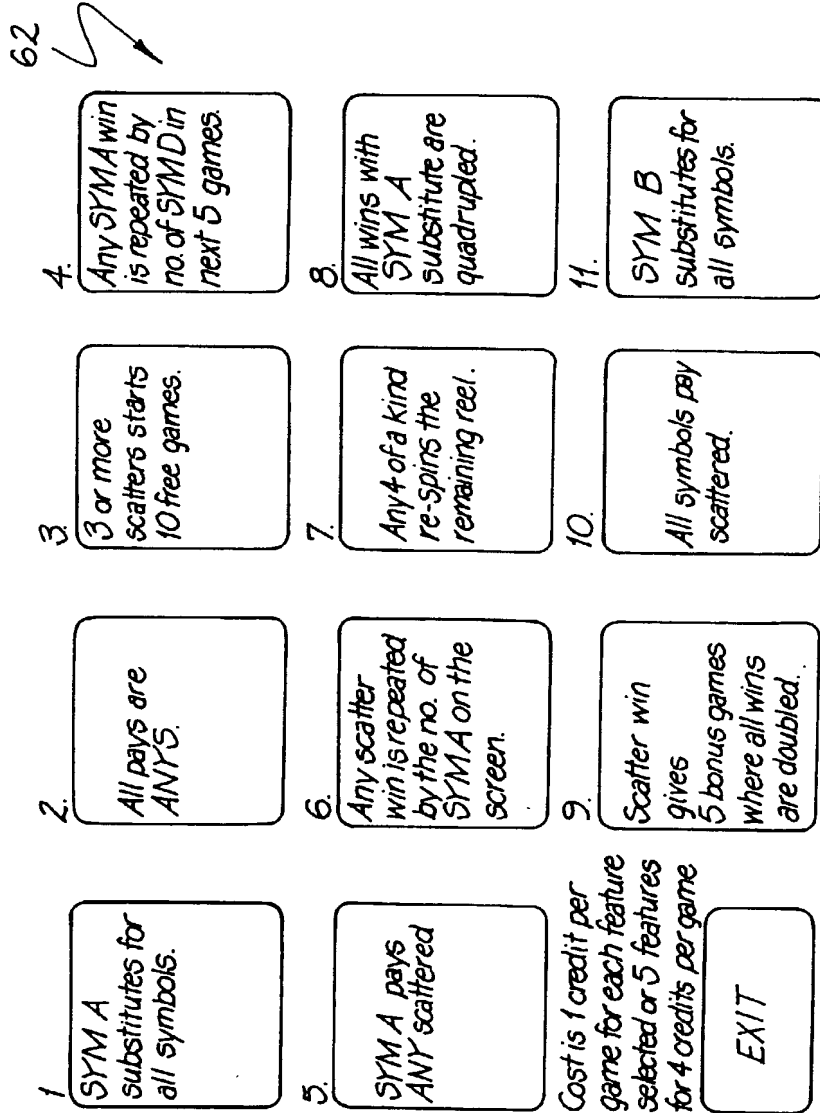
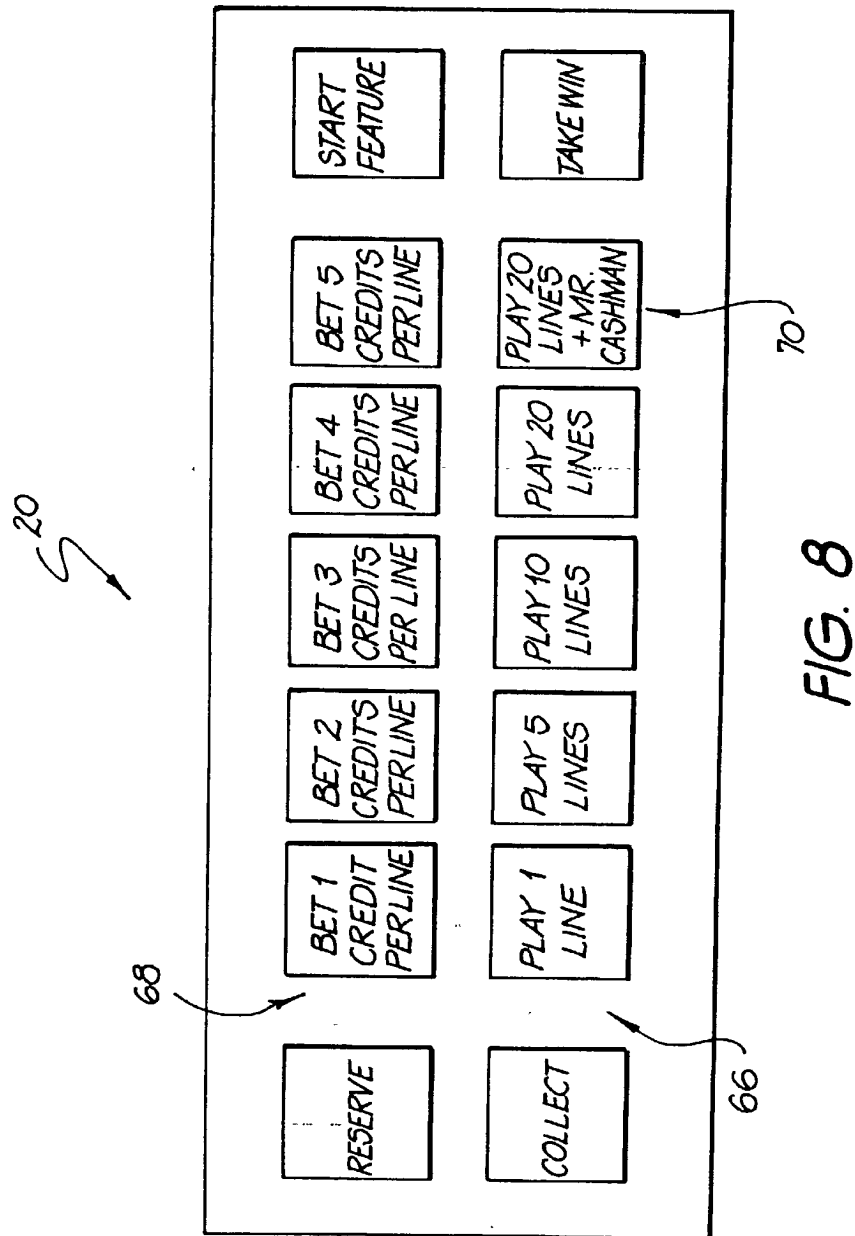


FIG. 7



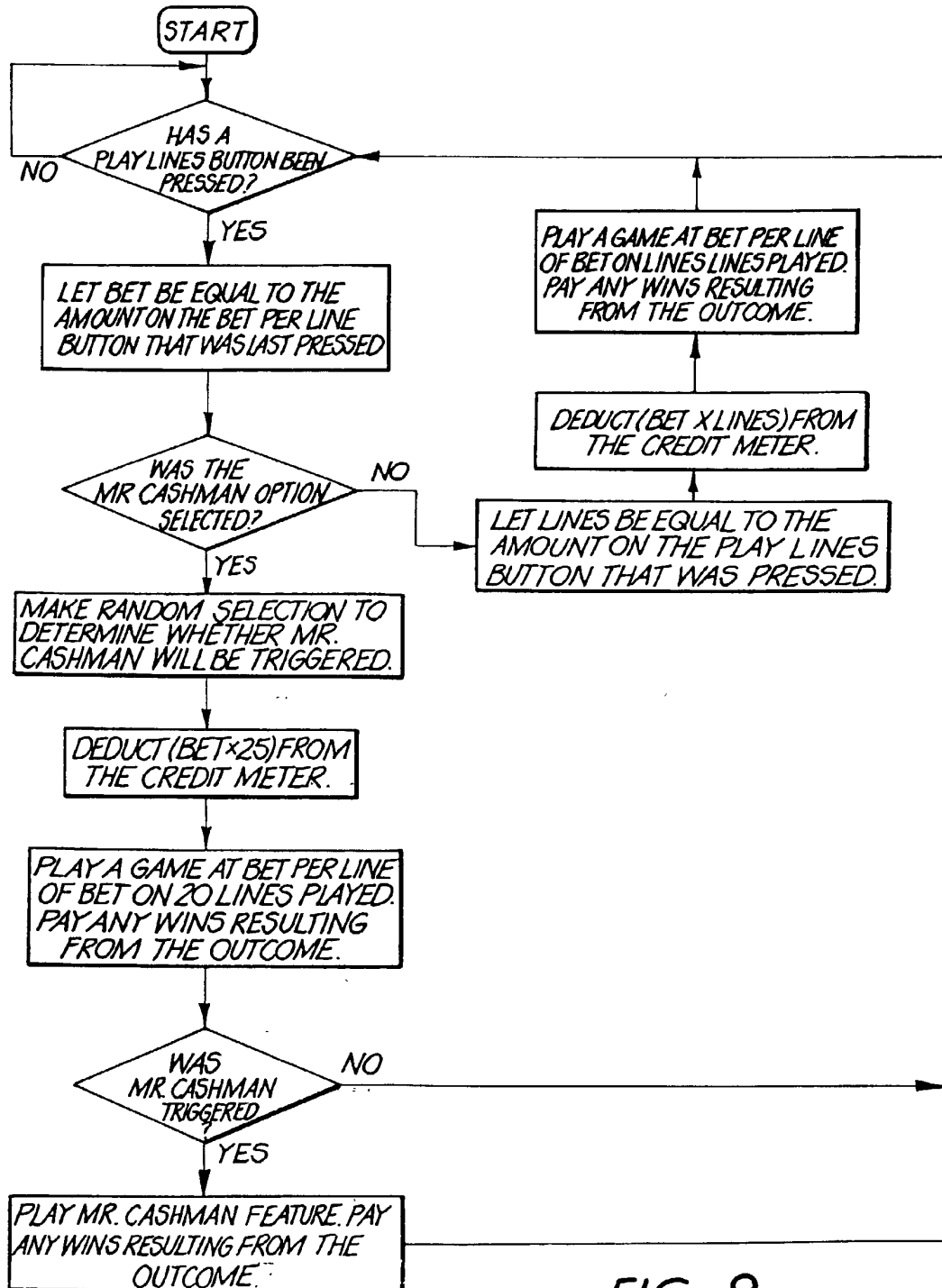


FIG. 9

**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled GAMING MACHINE WITH BUY FEATURE GAMES the specification of which:

- (a) ☐ is attached hereto; or
- (b) ☒ was filed on February 25, 2002 as Application No. 10/070266 or Express Mail No., as Application No. not yet known \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable); or
- (c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any) and/or under PCT Article 34 on \_\_\_\_\_ (if any).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56;

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, design or inventor's certificate or any PCT international application(s) listed below and have also identified below any foreign application(s) for patent, design or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed for the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN APPLICATION(S)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 U.S.C. § 119	
Australia	PQ2428	August 25, 1999	X YES	NO <input type="radio"/>
PCT	PCT/AU00/00997	August 23, 2000	X YES	NO <input type="radio"/>
			<input type="radio"/> YES	NO <input type="radio"/>
			<input type="radio"/> YES	NO <input type="radio"/>
			<input type="radio"/> YES	NO <input type="radio"/>

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S.A. Application(s)

Application No.: \_\_\_\_\_ Filing Date: \_\_\_\_\_ Status: \_\_\_\_\_

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Natalie BryantInventor's signature Natalie Bryant Day 26 Month JUNE Year 2002Residence (city and country): 71 Longueville Road, Lane Cove, New South Wales, 2066 Australia AuxCitizenship: AustralianPost Office Address: Same as aboveFull name of second inventor: Nicholas Luke BennettInventor's signature Nicholas Bennett Day 27 Month JUNE Year 2002Residence (city and country): C/-71 Longueville Road, Lane Cove, New South Wales, 2066, Australia AuxCitizenship: AustralianPost Office Address: Same as above

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Customer No. 20,995

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

PATENT

To the Commissioner of Patents and Trademarks:


The undersigned is empowered to act on behalf of the assignee indicated below (the "Assignee"). The original assignment of the attached application for Letters Patent for the invention in GAMING MACHINE WITH BUY FEATURE GAMES from the inventors to the Assignee is being submitted herewith for recordation by the Assignment Branch. A true copy of this Assignment is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee. I have reviewed this Assignment, and to the best of the Assignee's knowledge and belief, the Assignee is the owner of the entire right, title, and interest in the above-referenced application.

I declare that all statements made herein of my own knowledge are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

Assignee: Aristocrat Technologies Australia Pty Ltd.

By: 

Title: \_\_\_\_\_

Address: 71 Longueville Road, Lane Cove,  
New South Wales, 2066, Australia

Dated: 1 July 2002

**FRANK BUSH**  
Company Secretary  
GM - Legal and Compliance